



The smallest float in last Saturday's Homecoming float parade - the Lady Godiva Band's trombonist.



THE PARADE WINNERS
Judges decided the nursing students' entry was the best in the 1974 Homecoming float parade. Here they celebrate their win before the judges outside University College.

Response on operating grants to be sent to university 'buffer'

The Planning and Resources Committee of Governing Council is working on a response to a "Statement of Principles" on the provincial operating grants formula for universities, submitted by the Council of Ontario Universities to the Ontario Council on University Affairs. The response, when completed, will be included in the U of T's annual submission to the OCUA, successor to the Committee on University Affairs, the buffer between institutions of higher learning and the Ministry of Colleges and Universities.

Since the Statement of Principles was issued, the COU has asked for an increase of 16.8 per cent. in the basic income unit. This rise, the COU says, is necessary because of inflation which has caused the universities to lose ground, provincial grants having dropped from 6.1 per cent. of the provincial budget in 1972, to 5.6 per cent. this year.

The COU argued that higher salaries for faculty are essential, as they have not kept up with the rate of inflation and are lower than the incomes of employees of the public service at approximately the same levels.

These in brief are the COU comments with regard to a formula for distributing operating grants:

"The universities favour a formula or formulae which would allocate the major share of available funds on some reasonably equitable basis among the universities as block grants from which universities may make internal distribution as they wish."

The universities do not oppose study of "the means by which distribution of funds for instruction and research can be improved, including appropriate methods for supporting indirect costs of research... Universities are opposed, however, to any change which would result in the allocation of research funds through an artificial and arbitrary separation of research and instruction."

It is recognized that "a single,

enrolment-driven formula cannot provide for all needs, therefore adjustments, either inside or outside the formula, will be required for such problems as size, enrolment mix, geographic location, and unexpected declines in enrolment..."

The OCUA should immediately seek ways to improve the criteria for determining "appropriate levels and distribution of supplementary support".

"There are acknowledged disagreements about the equity of the weighting system" and the universities want longer planning lead-time between the announcement of the amount of operating income to be given and the application of the support to resources. "Sudden changes to a university's basic level of support should be avoided; i.e., the impact of change should be phased in periodically over a number of years."

"Accountability cannot and should not be provided through the mechanism for distributing basic operating income."

In the place of detailed program cost reporting systems, the COU favours the development of essential macro-indicators of changes in distribution patterns over time," to be used by universities to determine their accountability and by OCUA to assure the accountability of the system."

Prof Hare gives warning: build up grain reserves

Head of the Institute for Environmental Studies, Prof. Kenneth Hare, says the Canadian government should get behind world plans to build up even larger reserves of grains than it has to offset any adverse effects of the world's climate on crop production.

"Climatic records indicate that 1972 was the worst year on record for crop production. The climatic maps looked as they never did before and there were many crop failures, particularly in Asia and the Soviet Union," says Prof. Hare, a geographer.

He points to Australia to emphasize how seemingly traditional climatic patterns can suddenly change. "The region around Alice Springs, for example, which usually gets 13 inches a year has already had several times that amount this year. Land that hasn't been agriculturally productive since the early 1900s is now being used to grow grains. In fact, Australian production will increase substantially," says Prof. Hare.

Fears of disastrous drought

But he fears the possibility that current climate patterns may change in such a way that southeast Asia and North America could be hit by droughts. "This would be a disaster because at the best of times southeast Asia just produces enough crops to manage. North America, of course, produces much of the world's export wheat so a drought could affect tens of millions of people all over the world."

Although Prof. Hare says Canada's

current grain storage effort is adequate, he wishes "we would go further."

"The world must learn to keep its grain stockpile at about 60 million metric tons. This shouldn't be done at the expense of the farmer, nor should it be the sole responsibility of the producing nations - it should be an international effort."

Another crop failure could be disastrous. "Only four years ago we had such a grain surplus that we even took land out of production, but now that supply has almost gone," says Prof. Hare.

New agricultural lands and irrigation systems should also be developed through investment, he said, and geneticists should be encouraged to develop drought resistant grains.

Although the mean surface temperature of the earth has been dropping since the 1940s after an unprecedented warm period (indicated by available data going back a thousand years), scientists cannot determine with accuracy and precision what causes climate to change, says Prof. Hare.

Changing air patterns

Many factors must be considered, such as changes in the amount of volcanic dust and other particulate matter and of carbon dioxide in the atmosphere. Even increases in the area of ice and snow masses, which reflect solar radiation, can change air circulation patterns and thus the climate. "Some scientists claim man's activities in industry and in agriculture have produced both more dust and more carbon dioxide," says Prof. Hare.

While carbon dioxide tends to trap solar radiation producing the so-called greenhouse or warming-up effect, the dust reflects and sun's rays before they reach the earth's surface, creating a cooling effect. The two systems are offsetting one another.

Even slight drops in the earth's surface temperature can have horrible repercussions on man. A grim prospect faces Northern India because the earth is getting cooler; droughts are more frequent in cooling climates.

Prof. Hare also makes it a point to mention that wars have been caused because of food shortages.

United Way needs a final push

The U of T goal: \$170,000

Achieved, to Oct. 30: \$110,000

That's where the United Way campaign at the University stands, as of Wednesday last. A final, hard push is needed to make the objective, say Deans Kathleen King, Nursing, and Vidar Nordin, Forestry, co-chairmen of the U of T campaign.

"We are now moving into the final phase of our campaign," the co-chairmen said yesterday. "While the pace remains strong, it is vitally important that nothing be left to chance in the follow-up operation."

"Deans, directors and department heads are urged to lend their support wherever possible. Our co-ordinators and their canvass teams have been asked to undertake a follow-up on every outstanding card."

"Lend them a hand by making your gift now!"

STAFF NOTES

Arts and Science

PROF. J.B. JONES presented an invited lecture on "Studies on the Potential of Alcoholhydrogenases in Synthetic Organic Chemistry" at the 9th International Symposium on Chemistry of Natural Products, Ottawa, June 24-28.

PROF. A.G. HARRISON attended the NATO Advanced Study Institute on Ion-Molecule Interactions, Biarritz, France, June 24-July 6, where he presented an invited lecture "Collisional Deactivation of Excited Ions" and participated in panel discussions on "Chemical Ionization" and on "Measurement of Rate Coefficients." From Aug. 23 to 31 Prof. Harrison visited the Central Research Institute for Chemistry, Budapest, at the invitation of the Hungarian Academy of Sciences and gave two lectures: "Energy Transfer in Ion-Molecule Collisions" and "Hydrogen Scrambling Reactions in Mass Spectrometry." Prof. Harrison recently was appointed a member of the Editorial Advisory Board of *Organic Mass Spectrometry*.

PROF. J.E. DOVE attended the Fifteenth International Symposium on Combustion in Tokyo, Japan, Aug. 25-31, at which he presented a paper entitled "The vibrational Relaxation and Pyrolysis of Shock-Heated Nitrous Oxide" and was co-author of a paper "Rate and Mechanism of Methane Pyrolysis from 2000 degrees to 2700 degrees K."

PROF. J.J. FUREDY spent from January to June, 1974 on sabbatical leave at the University of Sydney, Australia. From March to June, he led a weekly staff-student seminar at the University on "Current Research in Psychophysiology," and on "The Clinical Implications of Biofeedback"; presented colloquia entitled "Negative results: Abolish the name but honour the same" at the Universities of Sydney, Monash, Western Australia, Flinders, Queensland, England, New South Wales, Wollongong, Macquarie, and Newcastle; gave seminars entitled "Experimental adventures in ratland: The mythical preference-for-

signalled-shock phenomenon" at the Universities of Queensland and Newcastle; presented a lecture at the University of Newcastle on "Contingencies, cognitions, and classical autonomic conditioning: A tangled web." He was also invited to participate in a symposium entitled "Clinical Applications of Biofeedback" at June at the Canadian Psychological Association Meetings in Windsor, and a co-author, DR. C.X. POULOS, read a paper there entitled "Clinical and theoretical implications of Pavlovian deconditioning: cardiac conditioning based on a decelerative unconditional reflex."

PROF. H.S.M. COXETER was elected president of the International Congress of Mathematicians in Vancouver in August. In September he attended a seminar on Structural Topology at the University of Waterloo and gave two papers entitled "Uniform Honeycombs" and "The Configuration of Desargues and its Twenty Cross Ratios." He also lectured at York University on "Fractal Patterns."

While on leave at Yale University this past year DR. SARA SHETTLEWORTH gave a colloquium on "Response Selection in Instrumental Training." She also visited the Brain Research Institute, University of Rochester, to speak on "Relevance of Response to Reinforcement in Instrumental Training" and, in May, spoke to the Biopsychology Brownbag at the University of Massachusetts. In addition, on Sept. 27, she gave a colloquium at the Department of Psychology, Cornell University.

Management Studies

DEAN J.H.G. CRISPO attended the Biennial Convention of the Canada Labor Congress of Vancouver as the commentator for CTV May 13-17; addressed the Vancouver convention of the International Council on Management Association on "Unmerited Merit" on May 22; chaired and delivered the key-note address on "Collective Bargaining Trends in Canada" to the conference of Municipal Collective Bargaining and sponsored by the Centre for Industrial Relations and the Ontario Municipal Personnel Association, May 23 and 24; chaired the conference on Industrial Relations sponsored by the Centre for Industrial and the Faculty of Management Studies, May 27-31; addressed the annual conference of the Canadian Industrial Relations Research Institute on "The Future of Industrial Relations in Canada" on June 3; gave a key-note address to the conference sponsored by the Ontario Secondary School Teachers' Association on "A Look Ahead: Governmental Obligations, Public Sector and Public Interest" on June 7; and gave an address on "Corporate Social Responsibilities" before a Statistical Canadian Seminar for its senior executives.

PROF. M.G. EVANS presented a paper entitled the "Path-Goal Approach to Innovation" at the September 1974 Conference of Innovation, Canada.

ASSOCIATE DEAN J.V. POAPST was the principal speaker at the annual conference for Credit Union Executives, sponsored by the National Association of Canadian Credit Unions and held at St. Jovite, Que., Sept. 17-20. At the conference he gave the following subjects: "Growth and Change in the Canadian Economy"; "Regional Growth and Change in the Canadian Economy" "Canada's Financial System"; "Towards a National Liquidity System for Canadian Credit Unions."

PROF. G.D. QUIRIN and PROF. B.A. KALYMON presented a paper "The Problem of Timing in Resource Development" at a conference on Mineral Leasing as an Instrument of Public Policy, sponsored by the British Columbia Institute for Economic Policy Analysis at Victoria, Sept. 18-20.

PROF. SURESH P. SETHI attended a two-week seminar on "Strategic Planning in the Energy Sector" held at M.I.T., Aug. 12-23.

PROF. D.J. TIGERT spoke at the Canadian Pain Manufacturers Association National Convention on "Changing Structure of Retailing in Europe and North America: Challenges and Opportunities" in Winnipeg, Oct. 2.

Kudos for the designing Press at 'Look of Books' competition

Books designed by the University of Toronto Press carried off 10 of 38 awards presented this year by Design Canada for excellence in book design. Three other winning books were designed by the Press' chief designer Allan Fleming on a free-lance basis and one of these, the photographic book *Canada* was the first prize winner.

William Rueter was also responsible for the design of four other U of T Press prize winners: *Under Pretex of Praise: Satiric Men in Erasmus' Fiction* by Sister Geraldine Thompson; *Thoreau Macdonald: A Catalogue of Design and Illustration* by Margaret E. Edison; *Petrarch of Pirandello* by Julius A. Molinaro; and *Fécondité d'Émile Zola: Roman à Thèse, Évangile, Mythe* by David Baguley.

Allan Fleming and Robert MacDonald were co-designers of two prize winners, the *One to Fifty Book*, edited by Anne and Alex Wise, which the committee called "a breath of fresh air in the exhibition", and *Braves and Buffalo: Plains Indian Life in 1837* by Alfred J. Moray.

The other award-winning U of T Press designers were Antje Lingner for *Organogenesis of Flowers: A Photographic Text-Atlas* by Rolf Sattler; Ellen Hutchison for *A Theatre for Spensersians* by Judith M. Kennedy and James A. Reither, and, once again, Allan Fleming for *William Henry Bartlett: Artist, Author, and Traveller* by Alexander M. Ross.

The 38 award winners were chosen from among 452 books submitted to the "Look of Books" committee of Design Canada this year by publishers and presses of all descriptions. The books selected for the basis of an exhibition which will tour North America and Europe.

The Hon. J. Hugh Faulkner, Secretary of State, presented prizes of \$1500, \$1000 and \$500 respectively to the first, second, and third prize winners at ceremonies in Ottawa.

New inter-university library plan gives personal borrowing rights

A new inter-university borrowing project is scheduled to begin on Nov. 1. Each member, graduate students and staff members from the U of T will be able to borrow personally from participating Ontario university libraries, while faculty members, graduate students and staff members from these institutions will borrow personally from the U of T library. Each participating university has agreed to take full responsibility for the safe return of any materials borrowed, and for any charges incurred, by its own people. Sanctions will be applied where necessary by home universities to prevent abuse of the service.

Institutions participating initially will be Guelph, Lakehead, Laurentian, McMaster, and Trent Universities; Universities of Western Ontario, and Windsor; and U of T. Others are expected to join in the near future.

Anyone who is eligible to borrow under this scheme must obtain a special borrower's card (to be issued by the home library on application) and complete special borrowing forms, (one for

each item, at the lending library). Borrower's cards for U of T members will be issued at the reader registration office on the third floor of the Robarts Library, Monday-Friday 9 a.m. - 5 p.m. Only catalogued monographs may be borrowed.

The normal loan period will be two weeks. No renewals will be permitted and no reserve requests will be accepted.

Books may be returned at the home library or at the library borrowed from. Overdue fines will be levied at the rate of 20 cents per item per day, and \$1 per item per day if an overdue recall notice is issued.

Full details are available in the Robarts Library, Circulation Department, 928-2286, Monday-Friday, 9 a.m. - 5 p.m.

While this development will obviously place a very heavy burden on some libraries, the COU board for library co-ordination has commended it as a major step forward in the co-operative use of Ontario's academic library resources. Regular interlibrary loan services will, of course, be continued, and many users will probably find that this is sufficient for their purposes.

Federal tax ruling for visiting Americans

The University has received a recent ruling from the Department of National Revenue that authorizes the University to waive the 15 percent withholding tax in respect of visiting U.S. professors, provided a statement is received from the individual concerned showing the same information contained in the waiver application for tax purposes previously submitted to the Department of National Revenue.

The principal information required in this statement is:

- 1) that the individual be resident in Canada for less than 183 days.
- 2) that the individual's income will not exceed \$5,000.
- 3) that, in fact, the individual is a U.S. resident.

K.P. Burke, manager, Payroll Department, said this waiver does not apply to professors employed in a full-time teaching capacity, nor does it apply to residents of countries other than the United States. "In future," said Mr. Burke, "please forward a copy of this statement attached to the payment form, thus eliminating the need to go directly to the Department of National Revenue for an approved waiver. Payments to other than U.S. residents will have 15 per cent tax withheld unless a tax waiver from the Department of National Revenue is attached with the payment form."

Research News

Health and Welfare Canada

Grantees have been instructed by Health and Welfare Canada to use the 1974 National Health grant manual. A request for copies of the latest manual resulted in receipt of a 1972 manual. Until the 1974 copy is made available, grantees should continue to use the 1972 version.

National Cancer Institute of Canada

Requests will be considered for supplementary support for the second half of the 1974-1975 fiscal year. These requests must be accompanied by justification, e.g. submission of information on actual increments in salary.

Reconsideration will be given to levels of support already authorized for the second and/or third year of two and three year grants. Nine copies of a revised version of pages 1 and 2 of form 701 are required, along with justification.

These applications should reach ORA by Nov. 15. New levels of personnel support, application forms and additional information are available by calling 928-2874.

Environment Canada Science Subvention Program

Due to budgetary constraints for this fiscal year, there are only three programs being advertised: water, forestry and atmospheric. Forms for these programs are available from ORA.

Water resources research support program applications should be returned to ORA by Nov. 15.

Forestry program applications should be returned to ORA by Nov. 18.

Atmospheric research program applications should be returned to ORA by Nov. 18.

For further information call ORA on 928-2874.

SGS Council reviews enrolment provides for post of Vice-Dean

Summary of Minutes of Council meeting, Sept. 17:

Business arising from the minutes

The membership of the Committee to Review the Phil.M. program will be mailed to Council members as soon as it is finalized.

Report of the Dean

(i) Applications for admission to the session 1974-75 showed an increase over the number received at the same date last year.

(ii) Enrolment figures for 1974-75 at Sept. 15 showed a modest increase in all Divisions except for Division III which remained level.

(iii) There will be Council by-elections this fall to fill vacancies created by the resignation of a student representative from Division IV and a faculty representative from Division I, the latter resignation effective December 31, 1974.

Reports of the Associate Deans

Division I
Associate Dean Spencer reported on the Canada Council thesis competition. Division III

Associate Dean Scott presented a recommendation from the Executive Committee of the Division that four students with no university degrees be permitted to enrol in the School on the basis of previous professional experience, three as part-time M.Eng. candidates, one as an occasional Special Student.

Council approved the recommendation.

Proposed Statute amendment

Council agreed to waive the one month's notice of motion required for consideration of Statute revision and approved a revision that would provide for the appointment of a Vice-Dean in the School of Graduate Studies.

Report of the Committee on Procedures for Ph.D. oral examinations

Associate Dean Spencer gave notice of motion with respect to consideration of the recommendations in this Report which were deferred at the June 25 meeting of Council.

Proposal for the establishment of three new graduate departments

Associate Dean Butler presented a recommendation from the Executive Committee of Division IV that, effective

Bell will charge to tell if it's listed in the book

Starting Nov. 3, calls from University phones to Bell Canada's Directory Assistance (411) for numbers that are in Bell's local serving directory will cost 25 cents EACH. Necessary calls - for numbers not yet listed in Bell's Directory - will still be free. Chargeable directory assistance calls will appear on the caller's monthly statement of "Chargeable Calls-Long Distance and Other." Staff are requested to check the directory first. A quarter may be saved just by looking in the phone book!

Requests for telephone directories should be directed to the University's Communications Office at 928-4000.

Accommodation

For rent, Jan. 1 to May 15, 1975; house at Yonge and Eglinton close to subway, shopping, schools; parking; three bedrooms, fully furnished. \$300 monthly rental including oil heating. 486-5011.

Three room unfurnished apartment with private garden in interesting Parkdale renovated house. Suitable for couple or single. Owners live upstairs and seek tranquil neighbours. Close to transportation. \$185 monthly includes utilities. Call 536-6232. (928-2884 days)

July 1, 1975, graduate Departments of Community Health, Nutrition and Food Science, and Microbiology and Parasitology be established to replace the graduate Department of the School of Hygiene; the functions of the present graduate Department of Food Sciences in the area of nutrition and food chemistry to be transferred to the new graduate Department of Nutrition and Food Science.

Council approved the recommendation.

Report of the Committee on Part-time Graduate Study

Council received the report and requested that it be circulated to the Executive Committees of the Divisions and to chairmen of graduate departments for consideration, their comments to be referred to the deans in the School after which that group will report to Council.

Request for permission to allow a number of FEUT faculty to enrol in graduate degree programs

In the six cases presented, Council agreed to waive the regulation prohibiting members of staff senior in rank to lecture from enrolling in graduate degree programs.

Report of the Fellowship Committee

(i) Ontario Graduate Scholarships: about 270 Scholarships for 1974-75 are held by University of Toronto students.

(ii) University of Toronto Open Fellowships: about 129 new fellowships were awarded for 1974-75, making a total of approximately 309.

(iii) Bursary Fund: A new bursary fund has been established for 1974-75 as a pilot project to alleviate cases of need.

(iv) Carl Reinhardt Fellowship in Astronomy: Council approved the recommendation of the Fellowship Committee that this Fellowship be established in the School.

(v) Earhart Foundation Fellowships in Political Science: Council was informed that these Fellowships had been approved by the Fellowship Committee during the summer and had subsequently been approved by the Academic Affairs Committee.

General criteria for tenure as approved by GC

The following is the text of "Criteria for Granting Tenured Appointments", which has been approved by Governing Council and which forms part of the Policy and Procedures on Academic Appointments. The marginal numbers indicate the position of the Criteria within the overall Policy.

12. The set of general criteria outlined below should be used as the basis for a decision on the granting of tenure. It is, however, recognized that significant differences among divisions and disciplines in the University will lead to some differences in the detailed application of these criteria. Nevertheless, there should be a high degree of uniformity across the University, in standards and procedures for granting tenure.

13. Tenured appointments should be granted on the basis of three essential criteria: achievement in research and creative professional work, effectiveness in teaching, and clear promise of future intellectual and professional development. Contributions in the area of university service may constitute a fourth factor in the tenure decision but should not, in general, receive a particularly significant weighting.

(a) Achievement in research or creative professional work is evidenced primarily, but not exclusively, by published work in the candidate's discipline; in this context, published work may include books, monographs, articles and reviews and, where appropriate, significant works of art or scholarly research expressed in media other than print. It may also be evidenced by various other types of creative or professional work, including



Prof. Daniel B. DeLury

Statistical consultation needs to be studied

Prof. Daniel B. DeLury, Department of Mathematics, has been asked to enquire into the extent to which statistical consultation is required and sought throughout the University, the quality and availability of such services, and related questions.

Vice-President and Provost Donald F. Foster said that Prof. DeLury would study existing services open to staff and students and make appropriate recommendations; survey standards and content of courses in statistics, especially graduate courses, and recommend improvements and co-ordination where considered advisable; recommend on the advisability of instituting a graduate degree program in applied statistics; and review the organizational structure of the Institute of Applied Statistics and make recommendations for changes.

Before joining U. of T, Prof. DeLury was director of statistics for the Ontario Research Foundation and has been actively interested and involved in applied statistical work on campus.

Prof. DeLury will welcome any suggestions or submissions. His office is in the Department of Mathematics, Sidney Smith Hall; telephone 5162.

Comments are invited on expansion limits

Deans, directors and other senior administrators are being asked by the Governing Council's Planning and Resources Committee to offer comments on a draft statement setting out limits for expansion of the University between now and the year 1990. When approved, the University will send the statement to the City of Toronto for information.

In the draft statement, the University agrees to confine its development in the next 15 years to within the area bounded by College, Bay, Bloor and Spadina streets, with certain specified exceptions, "conditional on the assumption that the University can use its lands within the boundaries stated and that there will not be constraints which will significantly limit the flexibility of the use of its space within these boundaries."

In 1990, the University says, the policy should be re-examined in relation to the circumstances then prevailing.

The exceptions are University buildings and properties now in use beyond the central campus area: 254-256 McCaul St. (Rehabilitation Medicine and Statistics and Records); Child Study, Walmer Rd.; Dentistry, Edward St.; Robert Street Playing Field; 246 Bloor W. (Social Work, Management Studies); Charles St. W. graduate residences; branches of the Conservatory of Music on Avenue Rd.; Spadina Rd. and Yonge St.; 93 Highland Ave. (home of the President).

The statement points out that the University of Toronto cannot make commitments on behalf of the federated colleges and universities, the Clarke Institute of Psychiatry, Addiction Research Foundation, Royal Ontario Museum, and some other institutions which are within the designated area of limitation.

Erindale College

PROF. DAVID RABY acted as local organizer for the conference of the Canadian Association of Latin American Studies at the Learned Societies meeting in Toronto May 27 to 29. Prof. Raby also visited Mexico, Aug. 18-Sept. 8, in order to do research and to attend the XLI International Congress of Americanists in Mexico City, at which he presented a paper entitled "The San Pre-Revolution of 1933: An Analysis" and acted as co-ordinator of section IV.4 of the Congress, "Political and Military History: 19th and 20th Centuries."

date's teaching: the degree to which he or she is able to stimulate and challenge the intellectual capacity of students; the degree to which the candidate has an ability to communicate well; and the degree to which the candidate has a mastery of his or her subject area.

(c) An assessment of promise of future intellectual and professional development will inevitably be based on the vitality and progress the candidate has demonstrated as a teacher and scholar during his or her probationary years at this University. A positive judgement on this criterion requires that the members of the tenure committee are reasonably convinced that, following the granting of tenure and the long-term commitment that it implies, the candidate will continue to make a valuable contribution to his or her discipline.

(d) University service primarily means university, divisional, or departmental committee or administrative work.

Clear promise of future intellectual and professional development must be affirmed for tenure to be awarded. Demonstrated excellence in one of research (including equivalent creative or professional work) and teaching, and clearly established competence in the other, form the second essential criteria for a positive judgement by the tenure committee. Only outstanding performance with respect to university service should be given any significant weight and, even then, only if there are no substantial reservations relating to the research, teaching and future promise criteria.

BULLETIN DEADLINE

The University of Toronto Bulletin is published on an *ad hoc* basis, generally once a week on Fridays. Copy should be typewritten and double-spaced. The deadline for most material is seven days before publication.

COMING EVENTS

Saturday 2 November

LECTURE — "Orchid Hunting across Canada", Presidential Address by Dr. Donald R. Gunn, former superintendent, Lakeshore Psychiatric Hospital. Convocation Hall. 8.15 p.m. (Royal Canadian Institute and Toronto Field Naturalists Club, and Federation of Ontario Naturalists)

Sunday 3 November

MUSIC — Beethoven — More sonatas by Anton Kuerti. Great Hall, Hart House. 3 p.m. (HH Music Committee)

MUSIC — Franzpeter Goebels, harpsicord. Scarborough College Meeting Place. 3.30 p.m. Free (Scarborough and the Goethe Institute)

Monday 4 November

MUSIC — Organ recital by Dr. Charles Peaker, with John Lehr, tenor. Convocation Hall. 5.05 p.m.

LECTURES — Larkin-Stuart Lectures on "Alternatives for Society". Sir John Lawrence, editor of *Frontier*. Seeley Hall, Trinity College. 8.30 p.m. on Nov. 4, 5, 6 and 7. (Trinity)

SEMINAR — Medicine — "Can Chinese Hamster Cells Live by Glycolysis Alone?" Dr. Immo Scheffler, Department of Biology, University of California, San Diego and La Jolla. 417 Best Institute. 12.30 p.m. (Banting and Best)

LECTURE — Islamic — "Iranian Handicrafts and Carpets". Prof. Nikki Keddie, Department of History, University of California, Los Angeles. Lecture Theatre, Roberts Library. 8 p.m. (Islamic)

Tuesday 5 November

LECTURE — Medicine — "On the Development and Manifestations of Temporal Lobe Epilepsy." Dr. G.H. Glaser, Yale University School of Medicine. Osler Hall, Academy of Medicine. 5 p.m. (Neuroscience Institute and Toronto Neurological Society)

LECTURE — Linguistics — "Composition Rules for Longhouse Innuquois Ritual Speech." Michael K. Foster, National Museum of Man. 2106 Sidney Smith Hall. 4 p.m. (Linguistic Studies)

COLLOQUIUM — Astronomy — "Recent Advances in the Theory of Pulsar Magnetospheres." Dr. R.N. Henricksen, Queen's University. 102 McLennan Physical Laboratories. 4 p.m. (Astronomy)

LECTURE — "El mundo de las brujas and some medical aspects of magic". Prof. Douglas Gifford, St. Andrew's University, Visiting Professor, University of Guelph. 1085 Sidney Smith Hall. 5.15 p.m. (SGS and Hispanic Studies)

LECTURE — Chemistry — "Recent Developments in Photoelectron Spectroscopy". Prof. C.A. McDowell, University of British Columbia. 161 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)

LECTURE — Dentistry — "The Epithelial-mesenchymal Interactions during Organogenesis". Dr. Harold C. Slavkin, University of California, R. Samuel McLaughlin Visiting Scientist. 111 Dentistry Building. 1 to 2 p.m. (Dentistry)

SEMINAR — Islamic — "Iranian History since 1800". Prof. Nikki Keddie. 7029 Roberts Library. 10.30 a.m. (Islamic)

SEMINAR — Computer — "Exponential Fitting". Dr. E. Sarkany, IBM Corporation, Kingston, N.Y. 1122 McLennan Physical Laboratories. 10 a.m. (Computer Science)

Wednesday 6 November

COLLOQUIUM — Psychology — "Incongruity, Arousal and Trends in Aesthetic Preference: Quantitative Studies of Literary History". Dr. Colla Martindale, Department of Psychology, University of Maine. 2117 Sidney Smith Hall. 4 p.m. (SGS and Psychology)

RADIO — "The Struggle for Autonomy in the Arab East Since 1800". CJRT-FM (91.1) 10 a.m. and 7.30 p.m. (Islamic Studies and Open College)

Thursday 7 November

LECTURE — Solzhenitsyn — "The Achievement of Solzhenitsyn". Prof. Gleb Zekulin, U of T. 202 Galbraith Building. 2.30 p.m. (Russian and East European Studies)

LECTURE — "The Pharmacology and Drug Dependence" series. "Actions of Alcohol and Tranquilizers on the Nerve Cell Membrane: The Basis of Drug Action in the Central Nervous System". Dr. Philip Seeman, U of T. Auditorium, 33 Russell St. 12 noon to 1.30 p.m. (Addiction Research Foundation)

COLLOQUIUM — Physics — "Lattice Instabilities in Quasi-one-dimensional Conductors". Prof. Lu J. Sham, Department of Physics, University of California, San Diego and La Jolla, and I.B.M. Thomas J. Watson Research Laboratories. 102 McLennan Physical Laboratories. 4.10 p.m. (SGS and Physics)

COLLOQUIUM — History of Science — "The Cradle of Modern Topology". Hans Freudenthal. Mathematics Institute, Utrecht. 3171 Medical Sciences Building. 4 p.m. (IHPSF and Mathematics)

COLLOQUIUM — Chemistry — "Bridged Oligocyclic Ions; Orbital Symmetry as a Guide to Synthesis". Prof. N. Goldstein, Cornell University. 161 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

SEMINAR — Computer — "Can FORTRAN be extended gracefully?". Prof. R. Schild (visiting from Zurich). 202 McLennan Physical Laboratories. 4 p.m. (Computer Science)

Friday 8 November

LECTURE — Chemistry — "Donor Properties of Silicon-Silicon Bonds and New Reactions Involving Transition Metal-catalyzed Cycloaddition". Prof. H. Sakurai, Tohoku University. 158 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)

Saturday 9 November

LECTURE — "Money: Whence It Came, Where It Went". Dr. John Kenneth Galbraith, Paul M. Warburg Professor of Economics, Harvard University. Convocation Hall. 8.15 p.m. (Royal Canadian Institute)

SYMPOSIUM — Medicine — "Biochemic Biochemistry of Disease". Mount Sinai Hospital Auditorium. 9 a.m. to 5 p.m. (Toronto Biochemical and Biophysical Society)

Sunday 10 November

MUSIC — Consortium Classicum, wind octet from Germany. Meeting Place, Scarborough College. 3.30 p.m. Free (Scarborough and Goethe Institute)

Monday 11 November

MUSIC — Organ recital by John Watts. Convocation Hall. 5.05 p.m.

SYMPOSIUM — "The Future" with sessions Monday, Tuesday and Wednesday 4 to 6 p.m.; banquet Wednesday, 6 to 9 p.m. evening session at 9 p.m.; Thursday 4 to 6 p.m. and 8 p.m.; Friday 3 to 5.30 p.m. New College, Wilson Hall Common Room (New College and the Club of GNU) See story on this page.

Tuesday 12 November

LECTURE — Literature — "Autobiography and Literature: Reflections on Thomas Mann's *Death in Venice*". Prof. Erich Heller, Northwestern University, Evanston. BCD Brennan Hall. 4 p.m. (Graduate German)

LECTURE — Medicine — "Surgical Neurology of the Limbic System". Dr. R.L.G. Newcombe, Brook General Hospital, London, Eng. 2172 Medical Sciences Building. 5 p.m. (Neuroscience Institute and Toronto Neurological Society)



Earth moves for start on Innis building

When Innis College does things, it does them with style — and fun too. Innis staff and students maintained their tradition last week when work began on the excavation for their building at Sussex Ave. and St. George St. The event was anything but solemn, as confirmed in the picture above. Prof. Robin Harris, first principal, tosses a shovel of earth at three of the onlookers behind the back-hoe, while Principal Peter Russell crouches below. The cheerful onlookers, who didn't seem to mind the shower of earth (left to right): Prof. Trevor Wigney, chairman, Innis College Council; Joe Medjuck, who teaches a film course, chairman of the building committee; and Mike Friend, president of Innis College Student Society.

'The future' at New: details

"We are marching backwards into the future" warned Marshall McLuhan, who will be among the honoured guests of New College and the Club of GNU at a symposium on THE FUTURE to be held in the Wilson Hall Common Room of New College from Monday, Nov. 11 to Friday, Nov. 15. Admission to the sessions is free, but limited.

"Future and Futurology" is the subject of the panels Monday, Nov. 11 from 4-6 p.m. with moderator Prof. Robert K. Logan, Physics Department. "Will Technology allow us to have a future?" will be discussed from 4-6 p.m. on Nov. 12, moderator will be Prof. John Senders of Industrial Engineering.

Wednesday, Nov. 13 from 4-6 p.m. "Freedom and Education in the Future" will be discussed, moderator will be Prof. M. Wall, chairman of Interdisciplinary

Studies. This will be followed by a dinner from 6-9 at which the Rt. Hon. Roland Michener will be the honoured guest. After dinner, a panel under moderator Bruce Rogers of the CBC will discuss "The Art of the Future."

Thursday, Nov. 14 from 4-6 p.m., the panel topic will be "1984 is 10 years away" with moderator Prof. Vivian Rakoff of the Clarke Institute. Thursday evening at 8 p.m. there will be a screening of Mark Slade's film "The Language of Change." Friday, Nov. 25 from 3-5.30 p.m. "Haves and Have Nots in the Politics of the Future" will be discussed by a panel under moderator Rev. E. Frensch.

As an added theatrical attraction, Monday, Nov. 18 at 12 noon, there will be a performance of the Creation 11 production of "Aces Wild" by Tom Hendry.

Workshop for sci-fi and whodunnit fans

A special one-day workshop on science fiction and detective fiction will be held on Saturday, Nov. 9, at Victoria College, 9.30 a.m.-4.30 p.m. It is being sponsored by the School of Continuing Studies.

Two lectures will be given in the morning, the first by Prof. Peter Fitting, St. Michael's College, entitled "From Verne to Vonnegut, or the future isn't what it used to be." Derrick Murdoch, reviewer of crime fiction for the Globe and Mail, will present the second lecture on "Detective, Mystery and Crime Fiction: Is it literature?" Participants will also have the opportunity of attending two of six discussion groups, one of which will be headed by a writer of detective fiction, Josef Skvorecky, professor of English at Erindale College. He has written three detective fiction novels, three collections of short detective stories, and several "serious" novels as well.

The registration fee of \$15 includes admission to lectures and discussion

groups and certain instructional material. A spokesman for the School of Continuing Studies says the special workshop should be of particular interest to confirmed addicts of science and detective fiction and to teachers wishing to develop courses in detective or science fiction in the curriculum.

All about Persian carpets

Prof. Nikki Keddie, professor of history at the University of California (Los Angeles), and an authority on Persian society and culture, will give a public illustrated lecture on "Iranian Handicrafts and Carpets," on Monday, Nov. 4 at 8 p.m. in the Lecture Theatre, Roberts Library, 130 St. George St. She will also give a special seminar on Tuesday, Nov. 5 at 10.30 a.m. in room 7029, Roberts Library.

Prof. Keddie spent part of last year in Iran doing research on Iranian history and handicrafts.